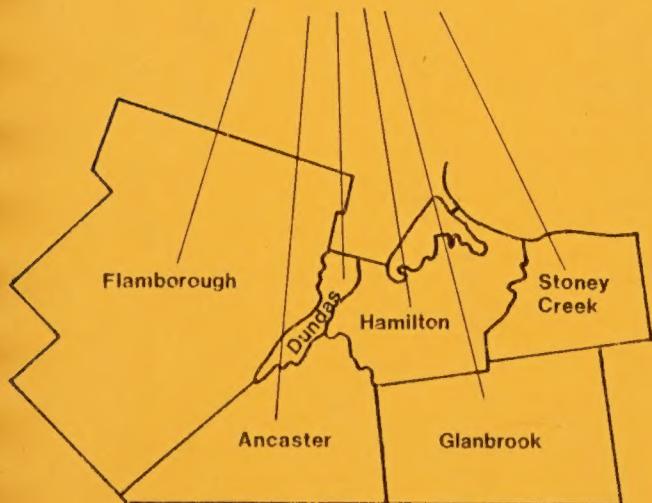


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DEPARTMENT OF ENGINEERING

1982

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GOVERNMENT DOCUMENTS

CURRENT BUDGET

ESTIMATES

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GOVERNMENT DOCUMENTS

WATER WORKS

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

PROJECTED WATERWORKS REVENUE

FOR THE YEAR 1982

Page: 1

ACCOUNT DESCRIPTION	1981 APPROVED BUDGET	1981 PROJECTED ANNUAL	PROJECTED REVENUE BASED ON 9 1/2% INCREASE
<u>Sale of Water</u>			
Metered Services	9,889,600	9,797,001	10,865,000
Non-Metered Services	3,909,150	3,819,911	4,240,000
Coin Stations	15,000	14,000	16,000
Fire Protection	921,000	924,324	1,015,000
Provincial Subsidies	810,000	818,000	880,000
Local Improvements	56,600	52,850	50,000
Rents & Leases	30,250	27,000	30,000
Permits & Fees	60,000	49,463	85,000
Sale of Scrap	10,000	10,606	10,000
Deficit to be met from Reserve	431,060		565,400
TOTAL REVENUES:	16,132,560	15,513,155	17,756,400

NOTE: Rate for Fire Protection to increase from 102.00 to 111.50 or 9.3%.

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: SUMMARY

Page : 3

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
8321	Administration	607,600	607,000	637,700		637,700
8322	General Expenses	2,608,560	2,641,900	2,883,800		2,883,800
8323	Water Storage	11,800	10,700	10,800		10,800
8324-02	Pumping Stations	928,300	784,600	795,900		795,900
8324-05	Wells	81,170	79,400	98,000		98,000
8325	Water Purification	2,216,680	1,826,800	2,490,200		2,490,200
8329	Distribution System	2,654,550	2,879,200	3,014,800	20,000	3,034,800

Contingency

TOTAL
OPERATING EXPENDITURE 9,108,660 8,829,600 9,931,200 20,000 9,951,200

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: SUMMARY

Page: 4

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
8326	Debenture Debt - Principle & Interest	5,557,900	5,120,000	4,662,800	1,666,400	6,329,200
8327	Transfer to Reserve	55,800				
8328	Capital Projects Financed from Current Funds	1,466,000	1,471,600	1,476,000		1,476,000
TOTAL		7,023,900	6,591,600	6,138,800	1,666,400	7,805,200
TOTAL WATER WORKS		16,132,560	15,421,200	16,070,000	1,686,400	17,756,400

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: ADMINISTRATION

Page: 5

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
8321-01						
01	Salaries, Wages & Benefits	462,400	462,000	504,000		504,000
11	Communications	6,000	6,300	6,000		6,000
12	Advertising	2,500	2,500	2,500		2,500
21	Office Supplies	12,000	12,400	13,000		13,000
27	Safety Boots & Uniforms	2,500	2,000	2,500		2,500
33	R/M - Office Equipment	300	300	300		300
71	Office Equipment	9,000	9,000	4,500		4,500
81	Rental Car Pool	1,800	1,800	1,800		1,800
87	Accommodation	99,500	99,500	90,000		90,000
91	Travelling	2,100	2,000	2,100		2,100
92	Car Allowance	1,000	1,000	2,000		2,000
94	Staff Training & Expenses	4,200	4,000	4,500		4,500
98	Payments - Agreements	4,300	4,200	4,500		4,500
TOTAL ADMINISTRATION		607,600	607,000	637,700		637,700

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8321	ADMINISTRATION		
01			
01	Salaries	504,000	Salaries which are distributable to Water Works administration costs. Employee Benefits 17%
			428,400
			75,600
			<u>504,000</u>
11	Communications	6,000	Cost of long distance phone calls, and phones not on central system.
12	Advertising	2,500	Cost of advertisements for personnel, By-Laws, contracts, etc.
21	Office Supplies	13,000	Water Works share of office & draughting supplies, photo copier, and printed forms.
27	Protective Clothing & Safety Boots	2,500	Safety boots and protective clothing for administrative staff.
33	R/M - Office Equipment	300	Repair of desks and chairs in Water Works Section.
71	Office Equipment	4,500	1. Photo Copier - Barton St. office 2. Desk, chair and filing cabinets for Energy Co-ordinator
			3,000
			1,500
			<u>4,500</u>
81/91	Travelling Expenses	3,900	Rental of cars for garage pool for Water Works purposes and travelling expenses for conventions, supper allowances, etc.
			1,800
			2,100
			<u>3,900</u>

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8321	ADMINISTRATION Cont'd		
01			
87	Accommodation	90,000	Cost of renting Water Works Maintenance and Operations Building and yards from Area Municipalities.
			1. 125 Barton Street West)
			2. Queenston Road Yard)
			3. Hill Street Yard) --- 30,000
			4. Upper Ottawa St. Yard)
			5. Dundas P.U.C.)
			6. City Hall rent and communications)
			60,000
			90,000
92	Car Allowance	2,000	Water Works share of payments to employees using own car for transportation.
94	Staff Training & Expenses	4,500	Required to pay for M.T.C. & M.O.E. Courses, and evening courses at McMaster and Mohawk College and other seminars.
98	Payments - Agreements	4,500	Pipe crossing Railway right-of-ways charges in Region, and payments for other agreements.

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: GENERAL EXPENSES

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ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
8322-01						
11	One Call System	12,000	12,000	12,000		12,000
42	Insurance	123,400	123,400	132,000		132,000
45	Property Tax	574,000	530,000	594,000		594,000
48	Discounts Allowed	800,000	871,400	900,000		900,000
50	Billing, Collection, Administration and Audit Fees	135,000	136,000	174,000		174,000
55	Meter Operation	807,430	807,000	899,200		899,200
60	Hamilton Store Charges	24,000	24,000	25,000		25,000
TOTAL		2,475,830	2,503,800	2,736,200		2,736,200

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8322	GENERAL EXPENSES		
01			
11	One Call System	12,000	Region's share of communication system whereby a contractor (or any individual) can contact all participating utilities in a defined area by calling one telephone number to arrange for a field locate of underground utilities rather than calling the Region, Union Gas, Hamilton Hydro, and the Bell Telephone.
42	Insurance	132,000	General Insurance cost for Water Works properties, plants, pump stations, etc.
45	Property Taxes	594,000	Municipal Taxes for Water Works properties.
48	Discounts Allowed	900,000	A 10% discount is given for prompt payment
50	Billing, Collection	174,000	Charges from Finance Department for water billing, collection and administration charges, and auditors fees.
60	Hamilton Store Charges	25,000	Water Works portion of administration charges - Hamilton Stores.

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: GENERAL EXPENSES

Page: ..

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
8322						
0200	Preliminary Engineering	12,000	12,000	12,000		12,000
0300	Water Purchase - Grimsby	6,500	6,500	7,500		7,500
0400	Horticultural Services	31,000	28,700	33,000		33,000
0500	Motor Vehicle Operations	28,000	28,000	26,000		26,000
0600	Water Purchase - Halton	46,000	52,800	60,000		60,000
0800	Checking Plans	9,230	9,200	9,000		9,000
TOTAL		132,730	137,200	147,500		147,500
TOTAL GENERAL EXPENSES		2,608,560	2,641,000	2,883,700		2,883,700

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8322	GENERAL EXPENSES		
0200	Preliminary Engineering	12,000	Preliminary engineering and study costs which cannot be charged to specific project.
0400	Horticultural Services	33,000	Horticultural services to Water Works properties except for Water Treatment Plant.
			1. Hamilton 23,000 2. Stoney Creek 4,000 3. Dundas 1,500 4. Ancaster 3,000 5. Flamborough 1,500 - 33,000
0500	Motor Vehicle Operations	26,000	Reduction because portion of services charged to Water Treatment Plant.
0800	Checking Plans	9,000	Service charge - gas, oil, radio maintenance, depreciation and insurance for Water Works vehicles, which are not charged to specific projects.
			Cost of checking plans and counter work which is performed by drafting personnel.

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: WATER WORKS

Page: 2

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
<u>8323-02 RESERVOIRS & ELEVATED TANKS</u>						
14	Power	4,300	4,500	5,300		5,300
31	R/M - Equipment	2,500	1,100	2,500		2,500
33	R/M - Buildings and Grounds	5,000	5,100	3,000		3,000
TOTAL		11,800	10,700	10,800		10,800

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8323-02	RESERVOIRS AND ELEVATED TANKS		
14	Power	5,300	Hydro supply to reservoirs and tanks.
31	R/M - Equipment	2,500	Routine maintenance of electrical and mechanical equipment.
33	R/M - Buildings and Grounds	3,000	Routine maintenance - cleaning materials, hardware, paint, etc.

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DEVISTON. WATER WORKS

PRELIMINARY FORECAST

SECTION: PUMPING STATION

Page:

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8324-02	BOOSTER PUMPING STATIONS		
01	Salaries, Wages & Benefits - Operations	203,600	Salaries & wages for operations staff allocated to booster pumping stations. Benefits at 17%
02	Salaries, Wages & Benefits - Maintenance	98,300	Salaries & wages for maintenance of booster pumping station. Benefits 17%
			61,300 18,300 95,300
14	Power	450,000	Hydro supply to booster stations. 13% increase in Hydro rates 18% reduction in hydro rates achieved through off-peak pumping programme.
15	Fuel	2,000	Supply of diesel fuel, furnace oil to booster stations.
23	Chemicals	5,000	Purchase of chlorine for rechlorination at WH5A and WH1, 12 months operation. Estimated usage 10 tons at \$500/ton.
31	R/M - Equipment	27,000	1. Routine maintenance of Electrical and Mechanical equipment 2. Modification to Pumping Station H75.
			25,000 2,000 27,000

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8324-02	BOOSTER PUMPING STATIONS Cont'd		
33	R/M - Buildings and Grounds	10,000	<ol style="list-style-type: none"> 1. Routine maintenance - cleaning materials, paint, hardware, lighting supplies etc. 7,000 2. Replace heating system at Pumping Station W-1. 3,000
			<u>10,000</u>

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: WELLS

Page: 1

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
8324-05	<u>WELLS</u>					
01	Salaries, Wages and Benefits - Operations	45,970	45,000	56,000		56,000
02	Salaries, Wages and Benefits - Maintenance	1,800	3,500	4,000		4,000
14	Power	31,400	28,000	32,000		32,000
31	R/M - Equipment	1,000	2,800	5,000		5,000
33	R/M - Buildings and Grounds	1,000	100	1,000		1,000
TOTAL		81,170	79,400	98,000		98,000

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8324-05	WELLS		
01	Salaries, Wages & Benefits - Operations	56,000	Salaries and Wages for operations staff allocated to wells Benefits at 17% 47,800 8,200 <u>56,000</u>
02	Salaries, Wages & Benefits - Maintenance	4,000	Portion of maintenance labour costs allocated to Wells
14	Power	32,000	Hydro supply to wells.
31	R/M - Equipment	5,000	1. Routine maintenance of electrical and mechanical equipment. 1,500 2. Rebuild submersible pumps for W-F4A and W-F2A Wells. 3,000 3. Replacement of control wiring at WAOA Well. 500 <u>5,000</u>
33	R/M - Buildings and Grounds	1,000	Routine maintenance - paint, hardware, lighting supplies, etc.

1982 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: WATER TREATMENT

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ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
8325-02	<u>WATER PURIFICATION PLANT</u>					
01	Salaries, Wages and Benefits - Operations	434,890	430,000	536,500		536,500
02	Salaries, Wages and Benefits - Maintenance	149,490	145,000	173,200		173,200
13	Sewer Rates	130,000		260,000		260,000
14	Power	680,000	580,000	635,000		635,000
15	Fuel	60,000	81,000	90,400		90,400
19	Laboratory Services	157,500	157,500	193,600		193,600
23	Chemicals	427,300	280,000	384,000		384,000
27	Protective Clothing	9,000	7,500	9,000		9,000
31	R/M - Equipment	69,500	71,800	150,000		150,000
32	Horticultural Services	22,000	19,200	17,000		17,000
33	R/M - Buildings and Grounds	71,500	49,500	39,500		39,500
75	Operating Equipment	5,500	5,300	2,000		2,000
	TOTAL	2,216,680	1,826,800	2,490,200		2,490,200

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8325-02	WATER PURIFICATION PLANT		
01	Salaries, Wages, and Benefits - Operations	536,500	Salaries and Wages for existing operating staff Salaries and wages Benefits at 17% 458,500 78,000 <u>536,500</u>
02	Salaries, Wages & Benefits - Maintenance	173,200	Salaries and wages for maintenance staff at Water Treatment Plant Salaries and wages Benefits 17% 148,000 25,200 <u>173,200</u>
13	Sewer Rates	260,000	Charges for discharging backwash water to S.T.P. for treatment.
14	Power	635,000	Hydro supply to W.P.P. 13% rate increase anticipated 18% reduction in hydro rates achieved through off-peak pumping programme.
15	Fuel	90,400	Purchase of steam from S.T.P. Estimated usage 27,400,000 lbs. at \$3.30/1000 lb.
19	Laboratory Services	193,600	Amount required by Regional Laboratory for services during 1982.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL			
			Chemical	Est. Usage (tons)	Est. 1982 Price/Ton	Est. Cost
8325-02	WATER PURIFICATION PLANT					
23	Chemicals	384,000	Alum	800	177	141,600
			Chlorine	275	473	130,000
			Sulphur Dioxide	5	650	3,300
			Fluoride	450	137	61,700
			Ammonia	18	690	12,400
						349,000
			10% contingency for possible price increase			35,000
						384,000
27	Protective Clothing	9,000	Rental and cleaning of uniforms, purchase of safety boots, parka, etc. (36 men - 22 operators, 14 maintenance at \$230/man/year).			
31	R/M - Equipment	140,000	1. Routine maintenance of electrical and mechanical equipment		65,000	
			2. Empty and inspect one filter. Rebuild filter media.		75,000	
			3. Share of replacement of main exchange. Board of internal phone system.		7,000	
			4. Charts.		3,000	
						150,000

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8325-02	WATER PURIFICATION PLANT Cont'd		
33	R/M Buildings & Grounds	39,500	1. Routine maintenance - paint, hardware, lighting and janitorial supplies, etc. 25,000
			2. Repairs and replacement of various P.R.V.'s, safety valves, piping and trapping equipment in steam heating system. 10,000
			3. Install 2 doors. 500
			4. Tuck point ammonia and post chlorine building 4,000
			<hr/> 39,500
75	Operating Equipment	2,000	Miscellaneous operating equipment.

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: DEPARTMENT: DE

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REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: CAPITAL PROJECTS

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ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
8328						
0300	Watermains	600,000	605,600	700,000		700,000
0500	Water Works associated with Subdivision	150,000	150,000	200,000		200,000
0600	Suburban Watermain	200,000	200,000	200,000		200,000
	Specific Projects	516,000	516,000	376,000		376,000
TOTAL		1,466,000	1,471,600	1,476,000		1,476,000

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8328			
0300	Watermains	700,000	Region's cost associated with watermains initiated under L.I.A. and minor improvements associated with road construction.
0500	Water Works Associated with Subdivisions	200,000	Region's share of watermains in subdivisions.
0600	Suburban Watermains	200,000	Region's share of watermains in Suburban areas in accordance with Council's policy.
	<u>Specific Projects</u>	376,000	
	1. Cleaning and lining of watermains on:		Continuous Programme of cleaning old mains to improve water quality and maintain capacity.
	a) Homewood Ave. from Locke St. to Queen St.		
	b) Hillcrest from Dundurn St. to Mountain Ave.		
	c) McNeily Rd. from Barton St. to Hwy. #8		
	2. Groundwater monitoring		Maintain present programme of groundwater monitoring in villages, including Freelton, in accordance with Item 6 of the 17-80 Planning and Development Committee Rep.
	3. Abandon Wells AlA to and Queen St. Well		Existing small volume wells (7) in Ancaster are to be sealed and disconnected Real Estate to be disposed of.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
<u>SPECIFIC PROJECTS Cont'd</u>			
4.	Valve Modification Reservoir W-H1	Replace manual inlet/outlet valves with molarized valves and install remote controls at Woodward Ave.	90,000
5.	Watermain - Breadalbane St. @ Hunt Street	Install 150 mm watermain and hydrants to improve water supply to west end of Hunt Street.	18,000
6.	Pumping Station - WH3A Mountain Avenue	Installation of water pumping station on Mountain Avenue. A prefabricated station which has become surplus from another location is to be used. The station will improve pressure on Hillcrest Avenue and expenditure will be recovered from hydro savings in less than 10 years.	42,000 376,000

1982 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: MAINTENANCE

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ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
8329-01	<u>GENERAL</u>					
01	Salaries, Wages and Benefits	214,080	214,100	180,900		180,900
12	Telephone Services			9,600		9,600
15	Utilities	2,900	3,500	4,400		4,400
19	Pavement Cut Restoration	185,000	185,000	213,200		213,200
20	Stand-By and Trouble Call	52,200	52,000	64,000		64,000
27	Protective Clothing, Uniforms, Coveralls, & Safety Boots	14,000	14,000	14,000		14,000
31	R/M Tools & Equipment	15,000	12,000	15,000		15,000
33	R/M Buildings & Grounds	3,000	3,300	3,000		3,000
73	Replacement Tools	14,500	14,500	14,600		14,600
75	Operating Equipment	91,600	91,700	124,600		124,600
77	Relocate Upper Ottawa Street Yard	48,000	48,000	48,000		48,000
	TOTAL	640,280	638,100	691,300		691,300

1982 CURRENT BUDGET

DIVISION: Water Works

PRELIMINARY FORECAST - EXPENDITURE DETAIL

SECTION: Maintenance

Page: 15A

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8329	DISTRIBUTION SYSTEM		
01	Salaries & Wages	180,900	Salaries and wages for the Administrative Staff of the Water Works Distribution Systems Maintenance Group.
01			Sick bank payments for employees retiring - J. Roach & H. Osmond
			Employee Benefits
			140,700
			16,300
			23,900
			<u>180,900</u>
10	Telephone Service	9,600	Water Works share of providing 24 hour telephone service by City Clerk's Dept.
15	Utilities	4,400	Water Works share of heating and lighting costs at the Queenston Road Yard and Town Yard Dundas taken over by Region.
19	Pavement Cut Restoration	213,200	Monies required for the repair of pavement cuts. The cost for final repair of pavement cuts made in any year will be invoiced the year following, and in order to finance this type of procedure the amount requested for this account is absolute minimum necessary in relation to the number of cuts made for water system repair purposes.

1982 CURRENT BUDGET

PRELIMINARY FORECAST - EXPENDITURE DETAIL

DIVISION: Water Works

SECTION: Maintenance

Page: 15B

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8329	DISTRIBUTION SYSTEM Cont'd		
01			
20	Stand By & Trouble Call	64,000	Water Works share of monies required for the payment of Emergency Stand By and Trouble Call allowances for two Local 5 employees and one Foreman on after hours Stand By and Call on week nights, weekends and holidays. (One Local 5 employee is on Stand By and Call in the west of the Region and one in the east of the Region. The Foreman is on Stand By for the entire Regional area).
27	Protective Clothing, Uniforms, Coveralls, and Safety Boots	14,000	Monies required for the provision of uniforms, protective clothing, rubber boots, safety boots and personal equipment for members of the Water Works Maintenance Group.
31	R/M Tools and Equipment	15,000	Monies required for the repair and maintenance of Water Works tools and equipment other than Vehicles, Backhoes, and Air Compressors.
33	R/M Buildings and Grounds	3,000	Water Works Share (50%) of monies required for cleaning floors at 125 Barton Street West and for minor repairs to Yard Buildings in Dundas and Stoney Creek and Hamilton.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8329	DISTRIBUTION SYSTEM Cont'd		
01			
73	Replacement Tools	14,600	Monies required for the replacement of worn out and useless tools and pieces of small equipment.
75	Operating Equipment	125,500	Monies required for the replacement of the following worn out equipment and for the necessary additional equipment
			(a) <u>Replacement Vehicles - 80% Water Works Share</u>
			1 - 3 ton Dump Truck to replace #8768 which is seven years old with 75,000 miles. Mechanical and body in poor condition. 20,000
			1 - 3 ton Dump Truck to replace #8748 which is eight years old with 75,000 miles. Mechanical condition and body are very bad. 20,000
			1 - 3 ton Dump Truck to replace #8708 which is nine years old with 102,000 miles. Body and mechanical condition poor. 20,000
			1 - $\frac{1}{2}$ ton Pick-up truck to replace #8512 which is six years old with 94,000 miles. Severe body deterioration and requires extensive mechanical work. 6,700

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8329	DISTRIBUTION SYSTEMS Cont'd		
01			
75	Operating Equipment Cont'd		
			(a) <u>Replacement Vehicles - 80% Water Works Share..Cont'd</u>
			1 - $\frac{1}{2}$ ton Pick-up truck to replace #8743 which is five years old with 70,000 miles. Severe body deterioration and requires extensive mechanical work.
			<u>6,700</u> <u>73,400</u>
			(b) <u>Replacement Equipment</u>
			1 - Backhoe to replace #8764 which is eleven years old. Needs extensive mechanical and hydraulic repairs.
			80% Water Works Share <u>36,000</u>
			1 - Machinery float to replace #8702 which is thirteen years old. This float is too small and in poor condition.
			80% Water Works Share. <u>8,000</u> <u>44,000</u>
			(c) <u>Additional Equipment</u>
			1 - Backhoe 80% Water Works Share <u>40,000</u>
			1 - Hy. Ram 80% Water Works Share <u>8,000</u>
			15 - Back-up Alarms 80% Water Works Share <u>1,200</u>

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8329	DISTRIBUTION SYSTEMS Cont'd		
01			
75	Operating Equipment Cont'd		(c) <u>Additional Equipment Cont'd</u>
			1 - Hy. Pressure Washer
			80% Water Works Share
			2,400
			Speed Shoring for two crews.
			60% Water Works Share
			5,600
			<u>57,200</u>
			<u>Summary</u>
			(a) Replacement Vehicles
			73,400
			(b) Replacement Equipment
			44,000
			(c) Additional Equipment
			57,200
			<u>Total</u>
			174,600
			Less Transfer from Vehicles Reserve
			50,000
			Net Total for Operating Equipment
			124,600
77	Relocate Upper Ottawa Street Yard	48,000	80% Share of cost to relocate yard from Upper Ottawa Street Landfill Site to Regional property near Mountain Transfer Station at Upper Ottawa Street and Rymal Road.

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: WATER WORKS

PRELIMINARY FORECAST

SECTION: MAINTENANCE

Page: 16

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
8329						
4041	Watermain Maintenance	422,250	554,500	540,000		540,000
4041	Water Serv. Maint.	700,000	741,500	775,000		775,000
4041	Removal of Material				20,000	20,000
4042	Valve Maintenance	146,800	113,000	161,000		161,000
4042	Valve Chamber Maint.	136,580	104,000	126,800		126,800
4043	Hydrant Maintenance	163,200	139,000	174,900		174,900
4043	Hydrant Inspection & Thawing	49,760	66,000	55,300		55,300
4043	Hydrant Painting	9,500	7,800	10,400		10,400
4044	Thawing Services	41,840	15,500	39,000		39,000
4044	Turn On & Off, Etc.	34,710	33,500	38,700		38,700
4044	Drinking Fountains	3,800	3,700	4,200		4,200
4044	Replacement Services	210,610	391,500	303,000		303,000
4045	Investigate Complaints and locate leaks	24,000	13,500	24,000		24,000
4045	Inspection of System	70,220	57,500	70,200		70,200
4045	Alterations Associated with Road Construction	1,000	100	1,000		1,000
	TOTAL	2,014,270	2,241,100	2,323,500	20,000	2,343,500
	TOTAL DISTRIBUTION SYSTEM	2,656,550	2,879,200	3,014,800	20,000	3,034,800

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
	DISTRIBUTION SYSTEMS ... CONT'D		
8329			
4041	Watermain Maintenance	540,000	Monies required for the repair of watermain leaks and breaks, cleaning and flushing approximately 1400 kilometres of watermains and maintaining the Water Works Pipe Line.
			Salaries & Benefits 399,000
			Equipment 75,000
			Supplies 57,000
			Contractual Service 9,000
			<u>540,000</u>
4041	Water Service Maintenance	775,000	Monies required to repair, renew or abandon water service, adjust repair or replace service barrels for approximately 99,500 services in the System.
			Salaries and Benefits 628,000
			Equipment 77,000
			Supplies 70,000
			<u>775,000</u>
4041	Removal of Material	20,000	Amount required to remove excavated material which is stroed at various yards
			Contract Equipment 20,000

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL										
DISTRIBUTION SYSTEMS ... CONT'D													
8329 4042	Valve Maintenance	161,000	<p>The following work will be required during 1982:</p> <ol style="list-style-type: none"> 1. Work all valves in the various systems at least once - approx. 9300 valves. 2. Renew valves and replace assemblies as required. 3. Replace up to 1000 valve glands. 4. Replace approximately 425 valve cover centres. 5. Notify consumers and arrange shut down as required. <table> <tr> <td>Salaries and Benefits</td> <td>137,000</td> </tr> <tr> <td>Equipment</td> <td>13,800</td> </tr> <tr> <td>Supplies</td> <td>9,100</td> </tr> <tr> <td>Contractual Services</td> <td>2,000</td> </tr> <tr> <td></td> <td><u>161,000</u></td> </tr> </table>	Salaries and Benefits	137,000	Equipment	13,800	Supplies	9,100	Contractual Services	2,000		<u>161,000</u>
Salaries and Benefits	137,000												
Equipment	13,800												
Supplies	9,100												
Contractual Services	2,000												
	<u>161,000</u>												
4042 Valve Chamber Maintenance 126,800 The following work will probably be required during 1982:													
			<ol style="list-style-type: none"> 1. Rebuild approximately 30 chambers. 2. Repair approximately 175 chambers. 3. Reset approximately 200 frames and covers. 4. Clean out approximately 200 chambers. 5. Repair and/or replace approximately 170 valve boxes. <table> <tr> <td>Salaries and Benefits</td> <td>90,000</td> </tr> <tr> <td>Equipment</td> <td>13,800</td> </tr> <tr> <td>Supplies</td> <td>23,000</td> </tr> <tr> <td></td> <td><u>126,800</u></td> </tr> </table>	Salaries and Benefits	90,000	Equipment	13,800	Supplies	23,000		<u>126,800</u>		
Salaries and Benefits	90,000												
Equipment	13,800												
Supplies	23,000												
	<u>126,800</u>												

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL								
DISTRIBUTION SYSTEM ... CONT'D											
8329 4043	Hydrant Maintenance	174,900	<p>The following work will probably be required during 1982:</p> <ol style="list-style-type: none"> 1. Replace approximately 150 hydrants. 2. Renew approximately 30 drainage beds. 3. Change and recondition approximately 450 hydrant barrels and assemblies. 4. Repair approximately 300 hydrants in location. <table> <tr> <td>Salaries and Benefits</td> <td>110,000</td> </tr> <tr> <td>Equipment</td> <td>14,900</td> </tr> <tr> <td>Supplies</td> <td>50,000</td> </tr> <tr> <td></td> <td><u>174,900</u></td> </tr> </table>	Salaries and Benefits	110,000	Equipment	14,900	Supplies	50,000		<u>174,900</u>
Salaries and Benefits	110,000										
Equipment	14,900										
Supplies	50,000										
	<u>174,900</u>										
4043	Hydrant Inspection and Thawing	55,300	<p>Monies required for Fall Inspection of 9100 fire hydrants, additional inspections for frost as required during winter and thawing out approx. 800 hydrants.</p> <table> <tr> <td>Salaries and Benefits</td> <td>49,800</td> </tr> <tr> <td>Equipment</td> <td>4,500</td> </tr> <tr> <td>Supplies</td> <td>1,000</td> </tr> <tr> <td></td> <td><u>55,300</u></td> </tr> </table>	Salaries and Benefits	49,800	Equipment	4,500	Supplies	1,000		<u>55,300</u>
Salaries and Benefits	49,800										
Equipment	4,500										
Supplies	1,000										
	<u>55,300</u>										
4043	Hydrant Painting	10,400	<p>Clean & repaint approximately 2700 fire hydrants (present system allows for repainting every four years).</p> <table> <tr> <td>Contractual Services</td> <td>6,500</td> </tr> <tr> <td>Salaries and Benefits</td> <td>3,200</td> </tr> <tr> <td>Equipment and Supplies</td> <td>700</td> </tr> <tr> <td></td> <td><u>10,400</u></td> </tr> </table>	Contractual Services	6,500	Salaries and Benefits	3,200	Equipment and Supplies	700		<u>10,400</u>
Contractual Services	6,500										
Salaries and Benefits	3,200										
Equipment and Supplies	700										
	<u>10,400</u>										

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
DISTIRIBUTION SYSTEM ... CONT'D			
8329			
4044	Thawing Services	39,000	We expect to be required to thaw a minimum of 50 Water Services but the total required will depend on the severity of the winter.
			Salaries and Benefits 22,000
			Equipment 6,000
			Contractual Services 11,000
			<u>39,000</u>
4044	Turn On & Off, etc.	38,700	Monies required to turn water off and on as requested and to take Poor Pressure Flow Tests as required.
			Salaries and Benefits 30,100
			Equipment 8,600
			<u>38,700</u>
4044	Drinking Fountains	4,200	Clean, paint, and overhaul approximately 30 drinking fountains, Install and remove fountains as required. Repair damages while in service and maintain chambers and drains.
			Salaries and Benefits 3,500
			Equipment 200
			Supplies 500
			<u>4,200</u>

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
DISTRIBUTION SYSTEMS ... CONT'D			
8329			
4044	Replacement Inadequate Services	303,000	Monies required for the replacement of approximately 230 - $\frac{1}{2}$ " diameter service connections where owners receive less than 4 G.P.M. and replace private services at their own cost.
			Salaries and Benefits 221,000
			Equipment 50,000
			Supplies 32,000
			<u>303,000</u>
4045	Investigate Complaints and Locate Leaks	24,000	Monies required for the investigation of complaints as received and for the locating of leaks and breaks in the Water Works Systems.
			Salaries and Benefits 21,000
			Equipment 3,000
			<u>24,000</u>
4045	Inspection of System	70,200	Monies required for inspection crews to systematically carry out maintenance inspection duties.
4045	Alterations Associated with Road Construction	1,000	Monies required for the replacement of works found deteriorated during roadway reconstruction.

SEWAGE WORKS

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

PROJECTED SANITARY SEWER REVENUES

FOR 1982

Page: 1

ACCOUNT DESCRIPTION	1981 APPROVED BUDGET	1981 PROJECTED ACTUAL	PROJECTED REVENUE MAINTAINING SANITARY SEWER RATE AT 115%
Sanitary Sewer Rate			
Metered Services	10,532,500	10,575,489	11,890,000
Non-Metered Services	4,366,000	4,346,658	4,735,000
Excess Sewage Flow	210,000	201,500	239,000
Water Treatment Plant	130,000		260,000
Provincial Subsidies	800,000	802,000	880,000
Local Improvements	131,000	137,657	135,000
Permits & Fees	81,000	75,000	80,000
Rents & Leases	10,000	3,664	5,000
Sale of Steam	75,000	80,000	90,000
Transfer from Reserve	97,980		
	16,433,880	16,221,968	18,314,000

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: SUMMARY

Page: 2

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
9321	Administration	501,560	500,500	550,000		550,000
9322	General Expenses	1,852,440	1,887,600	2,081,900		2,081,900
9324	Pumping Stations	148,890	149,200	169,200		169,200
9325	Sewage Treatment	5,720,710	5,808,800	6,131,900		6,131,900
9329	Sewer Maintenance	519,080	496,800	578,900		578,900
	Contingency	54,520			210,000	210,000
	Total - Operating Expenditures	8,797,200	8,842,900	9,511,900	210,000	9,721,900
9326	Debenture Debt - Principal & Interest	6,157,200	6,157,200	5,335,700	438,900	5,774,600
9328	Capital Projects - from Current Funds	1,534,000	1,534,000	2,816,000		2,816,000
	Total	7,691,200	7,691,000	8,151,700	438,900	8,590,600
	TOTAL, SEWAGE WORKS	16,488,400	16,534,100	17,663,600	648,900	18,312,500

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: ADMINISTRATION

Page: 1

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
9821-01						
01	Salaries, Wages and Benefits	438,360	438,000	504,000		504,000
11	Communications	3,200	4,200	4,000		4,000
12	Advertisements	2,000	2,000	2,000		2,000
21	Office Supplies	10,000	10,000	11,000		11,000
27	Protective Clothing	1,500	600	1,500		1,500
33	R/M - Office Equipment	500	500	500		500
71	Equipment	7,000	7,000	2,100		2,100
81	Rental - Car Pool	3,000	2,800	3,000		3,000
87	Accommodation	79,000	79,000	70,300		70,300
91	Travelling	2,000	1,500	2,000		2,000
94	Staff Training & Expenses	4,000	3,500	4,000		4,000
98	Payments - Agreements	4,000	4,400	4,500		4,500
TOTAL (ADMINISTRATION)		554,560	553,500	608,900		608,900
Charge Back to Land Drainage						
		53,000	53,000	58,000		58,000
TOTAL		501,560	500,500	550,900		550,900

1982 CURRENT BUDGET

PRELIMINARY FORECAST - EXPENDITURE DETAIL

DIVISION: Sewage WorksSECTION: Administration

Page: 1A

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9321	ADMINISTRATION		
01	Salaries, Wages & Benefits	504,000	Salaries, wages of existing administrative staff attributable to sewage works. Employee Benefits - 17%
01			430,400 73,600 504,000
11	Communications	4,000	Cost of telephones in Sewer Maintenance Section, S.T.P., and Pumping Stations.
12	Advertisements	2,000	Cost of advertisements for personnel, By-Laws, contract, etc., related to Sewage Works.
21	Office Supplies	11,000	Sewage Works portion of office printing, photo copying, and drafting supplies for the year.
27	Protective Clothing	1,500	Supply of safety boots and uniforms to foremen and employees as per union agreement.
33	R/M - Office Equipment	500	Repairs to office chairs and equipment, sewer maintenance offices.
71	Equipment	2,100	1. Plan holder - Environmental Services Section 2. Desk, chair & filing cabinet for Electrical Engineer
			600 1,500 2,100

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9321	ADMINISTRATION ... Cont'd ...		
01	Rent	70,300	Rental of Sewer Maintenance Yards from Hamilton, Stoney Creek, Dundas and City Hall including Communications - Sewage Share
87	Payments	4,500	This account includes payment for sewers undercrossing railways and sewer easements.
98			

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: GENERAL EXPENSES

Page: 9

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
9322-01						
42	Insurance	78,500	78,500	98,300		98,300
45	Property Tax	404,000	409,000	458,000		458,000
48	Discounts Allowed	800,000	842,500	900,000		900,000
50	Billing, Collection	135,000	136,000	145,000		145,000
60	Hamilton Store Charges	24,000	22,000	24,000		24,000
TOTAL		1,441,500	1,488,900	1,625,300		1,625,300

1982 CURRENT BUDGET

PRELIMINARY FORECAST - EXPENDITURE DETAIL

DIVISION: Sewage WorksSECTION: General ExpensesPage: 9A

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9322	GENERAL EXPENSES		
01			
42	Insurance	98,300	General Insurance for sewer properties, plants, pump stations, etc.
48	Discounts Allowed	900,000	A 10% discount is given for prompt payment of bills.
50	Billing	145,000	Finance Department charges for collecting sewer surcharge.
60	Hamilton Store Charges	24,000	Sewage Works portion of Administration charges - Hamilton Stores.

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: GENERAL EXPENSES

Page: 1

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
9322						
0100	Preliminary Engineering	10,000	10,000	10,000		10,000
1500	Inspection - Private Drains	80,010	80,000	89,000		89,000
0400	Maintenance - Sewer Easements	2,000	1,000	2,000		2,000
1500	Motor Vehicle Operations	28,000	27,500	26,000		26,000
0600	Private Drain Repairs	80,000	78,200	80,000		80,000
0800	Checking Plans	9,230	9,800	9,500		9,000
0900	Investigating Complaints	4,000	4,000	4,000		4,500
1000	Technical Services	23,000	13,500	23,000		23,000
1100	Industrial Waste Control	174,700	174,700	213,100		213,100
	TOTAL	410,940	398,700	456,600		456,600
	TOTAL (GENERAL EXPENSES)	1,852,440	1,887,600	2,081,900		2,081,900

1982 CURRENT BUDGET

PRELIMINARY FORECAST - EXPENDITURE DETAIL

DIVISION: Sewage Works

SECTION: General Expenses

Page: 5A

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9322	GENERAL EXPENSES		
0209	Preliminary Engineering	10,000	Salaries & wages of employees which salaries cannot be charged to a specific project.
0300	Inspection - Private Drains	89,000	Required amount to cover cost of salaries & benefits and motor vehicle operation for the inspection of private drains installed by contractors.
0400	Maintenance - Sewer Easements	2,000	Charges for cleaning, cutting weeds, etc., on sewer easements.
0500	Motor Vehicle Operations	26,000	Garage charges for department vehicles and gas, oil, insurance, etc.
0600	Private Drain Repairs	80,000	Region is responsible for repair of private drain connections from street line to the main sewer.
0800	Checking Plans	9,000	Cost of checking plans and counter work, which work is performed by drafting personnel whose salaries are distributable.
0900	Investigating Complaints	4,500	Salaries for distributable salaries of employees investigating sewer complaints.
1000	Technical Services	23,000	T.V. sewer inspection: Service required to assess condition of existing systems for reconstruction purposes.
1100	Industrial Waste Control	213,100	Salaries charges for operation of Industrial Waste Control.

1982 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: PUMPING STATION

Page: 1

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
9324-01	<u>Sewage Pumping Stations</u>					
02	Salaries, Wages & Benefits - Maintenance	86,790	86,700	98,200		98,200
13	Water	1,100	900	800		800
14	Power	24,000	30,000	35,000		35,000
15	Fuel	2,000	2,100	3,200		3,200
31	R/M Equipment	17,500	12,000	22,000		22,000
33	R/M Buildings and Grounds	7,500	7,500	10,000		10,000
75	Equipment	10,000	10,000			
	TOTAL	148,890	149,200	169,200		169,200

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9324-01	SEWAGE PUMPING STATIONS		
02	Salaries, Wages & Benefits	98,200	Portion of maintenance labour costs allocated to sewage pumping stations.
			Employee Benefits 17%
			<u>14,200</u>
			<u>98,200</u>
13	Water	800	Water rates and sewer surcharge for pumping stations.
14	Power	35,000	Hydro supply to sewage pumping stations.
15	Fuel	3,200	Fuel for stand-by power and space heating.
31	R/M - Equipment	22,000	<ol style="list-style-type: none"> 1. Parts and supplies to carry out routine maintenance of electrical and mechanical equipment. 2. Installation of Bubbler Control to replace obsolete system at Station SH2
			<u>20,000</u>
			<u>2,000</u>
			<u>22,000</u>
33	R/M - Buildings and Grounds	10,000	Routine maintenance - paint, hardware, lighting supplies, etc.,

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: SEWAGE TREATMENT

Page: 7

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
9325-01	S.T.P. Woodward Avenue					
01	Salaries, Wages & Benefits - Operation	1,576,300	1,600,000	1,815,900		1,815,900
02	Salaries, Wages & Benefits - Maintenance	675,100	660,000	729,000		729,000
13	Water & Sewer Rates	60,000	75,000	71,000		71,000
14	Power	638,000	576,000	651,000		651,000
15	Fuel	648,000	830,000	800,000		800,000
18	Engineering Consulting Services	32,000	31,300			
19	Laboratory Services	103,000	103,000	128,700		128,700
23	Chemicals	507,000	486,000	362,000		362,000
27	Protective Clothing	26,000	30,000	34,600		34,600
31	R/M Equipment	521,900	516,500	305,200		305,200
32	Horticultural Services	21,000	23,500	20,000		20,000
33	R/M Buildings & Grounds	49,500	57,000	298,000		298,000
61	Sludge Haulage	200,000	200,000	200,000		200,000
75	Operating Equipment	30,000	29,000	13,800		13,800
TOTAL		5,087,800	5,217,300	5,429,200		5,429,200

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9325-01 SEWAGE TREATMENT PLANT (Woodward Avenue)			
01	Salaries, Wages & Benefits - Operation	1,815,900	Salaries and wages for existing operating staff. Benefits 17% 1,552,000 263,900 1,815,900
02	Salaries, Wages & Benefits - Maintenance	729,000	Salaries and wages for existing maintenance staff Benefits 17% 623,000 106,000 729,000
13	Water & Sewer Rate	71,000	Water rates and sewer surcharge for S.T.P. and Nash Road Chlorine Station
14	Power	651,000	Hydro supply to S.T.P. and Nash Road Chlorine Station.
			1981 average monthly cost, Jan. to Sept. 48,000 x 12 13% increase expected 576,000 75,000 651,000

1982 CURRENT BUDGET

PRELIMINARY FORECAST - EXPENDITURE DETAIL

DIVISION: Sewage Works

SECTION: Sewage Treatment

Page: 7B

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9325-01	SEWAGE TREATMENT PLANT (Woodward Avenue) ... Cont'd ...		
15	Fuel	800,000	<p>1. Natural gas for incinerators and boilers, and fuel oil for standby power. 800,000</p> <p>15% rate increase anticipated</p> <p>15% reduction in natural gas consumption will be achieved in 1982 as a result of increased methane gas production from digestors which were cleaned and re- habilitated in 1981.</p>
19	Laboratory Services	128,700	Amount required by Regional Laboratory for services during 1982.
13	Chemicals	362,000	<p>1. Polymer for filters 326,600</p> <p>2. 2 cars of chlorine at \$14,000 each 28,000</p> <p>3. Boiler room chemicals 7,400</p> <p><u>362,000</u></p>

1982 CURRENT BUDGET

PRELIMINARY FORECAST - EXPENDITURE DETAIL

DIVISION: Sewage Works

SECTION: Sewage Treatment

Page: 7

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9325-01	SEWAGE TREATMENT PLANT (Woodward Avenue) ... Cont'd ...		
27	Protective Clothing	34,600	Rental and cleaning of uniforms; purchase of safety boots, parkas, etc. 95 men (65 operators, 30 maintenance) at \$365 each.
31	R/M - Equipment	305,200	<ol style="list-style-type: none"> 1. Routine maintenance of Electrical & Mechanical Equipment. 137,500 2. Replacement of Sprockets in Primary Clarifiers. 15,000 3. Replacement of Drive Chain in Primary Clarifiers. 10,000 4. Repair drive units of seven Secondary Clarifiers. 9,000 5. Installation of Hi-pressure cut-out devices on eight Digested sludge pumps. 3,000 6. Replacement of packing sleeves on five 36" Sewage pumps. 7,500 7. Replacement of wooden flights in Primary Clarifiers. 6,000 8. Spare impeller and shaft for incinerator I.D. Fan. 25,000 9. Replacement of Scrubber sections and associated ducts - #1 & #2 sludge incinerators. 15,000 10. Two spare shafts for 36" Sewage pumps. 7,500

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9325-01	SEWAGE TREATMENT PLANT (Woodward Avenue) ... Cont'd ...		
31	R/M - Equipment ... Cont'd ...		
	11. Routine Maintenance of Boiler Room.	19,500	
	12. Overhaul and modification of Boiler feed water pumps.	3,600	
	13. Replacement of Blowdown Tank drain line.	2,000	
	14. Modification of Boiler feed water discharge piping.	4,000	
	15. Inspection of repair of Boiler exhaust stacks and breaching.	2,100	
	16. Replacement of two Natural Gas P.R.V's	1,000	
	17. Share of replacement cost for main exchage board of internal plant phone.	7,000	
	18. Modification required under Health and Safety Act.	5,000	
	19. Charts, records, lab equipment and other non-maintenance items.	5,000	
	20. Replacement of 1 Boiler control Fire-eye	1,500	
	21. Replacement of H.W. System Cushion Tank.	1,000	
	22. Modify shaft seals on 7 Primary Clarifier drive units.	5,000	
	23. Clean 3500' of underground piping used for sludge pumping.	7,000	

1982 CURRENT BUDGET

PRELIMINARY FORECAST - EXPENDITURE DETAIL

DIVISION: Sewage Works

SECTION: Sewage Treatment

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ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9325-01	SEWAGE TREATMENT PLANT (Woodward Avenue) ... Cont'd ...		
31	R/M - Equipment ... Cont'd ...		24. Clean 3000' of glass-lined pipe used for scum pumping
			Total
			305,200
32	Horticultural Services	20,000	Cost of horticultural services at S.T.P.
33	R/M - Buildings and Grounds	298,000	1. Routine maintenance - paint, hardware, lighting supplies, etc. 30,000 2. Repairs to windows and doors throughout plant to conserve energy. 5,000 3. Maintenance contract for air-conditioning equipment 2,500 4. Re-roof Pumphouse 100,000 5. Repairs, replacements and additions to Plant Heating system and steam distribution 10,500 6. Re-roof Detritor building 150,000 298,000
61	Sludge Haulage	200,000	1. Removal of grit scum and screenings to landfill site
75	Operating Equipment	13,800	1. Total Dissolver Solids Meter 300 2. Vacuum type Boiler Tube Cleaner 4,000 3. Tools and equipment for plant Maintenance 2,500 Maintenance and Boiler Room 4. Typewriter for maintenance section 1,000 5. Replacement - office furniture 2,500 6. Portable steam generator 1,500 7. Shop sandblaster 2,000 13,800

1982 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: SEWAGE TREATMENT

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ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
9325-02	<u>S.T.P. Dundas</u>					
01	Salaries, Wages & Benefits - Operations	175,000	180,000	184,800		184,800
02	Salaries, Wages & Benefits - Maintenance	61,760	45,000	36,300		36,300
13	Water & Sewer Rates	500	500	300		300
14	Power	47,000	47,800	52,600		52,600
15	Fuel	7,300	6,000	8,200		8,200
19	Laboratory Services	23,000	23,000	28,700		28,700
23	Chemicals	12,000	12,500	14,200		14,200
27	Protective Clothing	1,600	1,500	1,000		1,000
31	R/M Equipment	23,000	23,000	55,600		55,600
32	Horticultural Services	1,500	1,700	1,800		1,800
33	R/M Buildings & Grounds	24,000	7,300	12,500		12,500
39	Nutrient Removal	43,000	35,000	43,000		43,000
61	Sludge Haulage	50,000	48,100	48,000		48,000
75	Operating Equipment					
	TOTAL	469,660	431,500	487,000		487,000

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9325-02	SEWAGE TREATMENT PLANT (Dundas)		
01	Salaries, Wages & Benefits - Operations	184,800	Salaries and wages for operating staff Benefits 17% <u>158,000</u> <u>26,800</u> <u>184,800</u>
01	Salaries, Wages & Benefits - Operation	36,300	Salaries & Wages for maintenance staff Benefits 17% <u>31,000</u> <u>5,300</u> <u>36,300</u>
13	Water & Sewer Rates	300	Water rates and sewer surcharge for S.T.P.
14	Power	52,600	Hydro supply to S.T.P. and canal aeration blowers 13% rate increase anticipated
15	Fuel	8,200	Supply of gas for digester and building heating. 15% rate increase anticipated
19	Laboratory Services	28,700	Amount required by Regional Laboratory for services during 1982.
23	Chemicals	14,200	1. Supply of chlorine, deodorants, etc. 2. Gas for purging canal aeration system <u>12,500</u> <u>1,700</u> <u>14,200</u>

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9325-02	SEWAGE TREATMENT PLANT (Dundas) ... Cont'd ...		
27	Protective Clothing	1,000	Purchase of uniforms, safety boots, parkas, etc.,
31	R/M - Equipment	55,600	<ol style="list-style-type: none"> 1. Routine maintenance of electrical and mechanical equipment 21,000 2. Replacement of sprockets Plant A & B Final Clarifiers 16,000 3. Replace 720S chain in Plant A Final Clarifier 7,500 4. Replacement of 2 Effluent water pumps 3,000 5. Modification of raw sludge pumps Plant B 1,500 6. Replacement of Flow recorder in Plant B 1,800 7. Replacement chain - H78 Final clarifiers Plant B 4,000 8. Purchase of new fridge for staff and sampler. 800
			Total 55,600
32	Horticultural Services	1,800	Maintenance of plant grounds and canal banks.
33	R/M - Buildings and Grounds	12,500	<ol style="list-style-type: none"> 1. Routine Maintenance - paint, hardware, lighting supplies, etc. 5,000 2. Repair and/or replace effluent water hydrants 5,000 3. Remove asbestos insulation from equipment room 2,500
			12,500

1982 CURRENT BUDGET

DIVISION: Sewage WorksPRELIMINARY FORECAST - EXPENDITURE DETAILSECTION: Sewage TreatmentPage: 8C

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8325-02	SEWAGE TREATMENT PLANT (Dundas) ... Cont'd ...		
39	Nutrient Removal	43,000	Purchase of aluminum sulphate for phosphorus removal
61	Sludge Haulage	48,000	1. Removal and disposal of digested sludge 3.5 million gallons at \$12.00/1000 gal.

1982 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: SEWAGE TREATMENT

Page: 1

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET			1982 BUDGET		
		ESTIMATE	PROB.	ACTUAL	EXISTING	CHANGE	TOTAL
9325-03	<u>S.T.P. Waterdown</u>						
01	Salaries, Wages & Benefits - Operations	59,250		60,000	91,200		91,200
02	Salaries, Wages & Benefits - Maintenance	20,400		18,000	24,600		24,600
13	Water	600		100	100		100
14	Power	14,500		14,700	15,800		15,800
15	Fuel	700		200	400		400
19	Laboratory Services	23,000		23,000	28,700		28,700
23	Chemicals	7,500		5,000	3,200		3,200
27	Protective Clothing	400		800	300		300
31	R/M Equipment	6,000		5,000	14,000		14,000
32	Horticultural Services	600		NIL			
33	R/M Buildings & Grounds	2,500		5,600	14,000		14,000
39	Nutrient Removal	6,300		6,600	6,900		6,900
61	Sludge Haulage	14,000		13,500	15,000		15,000
75	New Equipment	7,500		7,500	1,500		1,500
	TOTAL	163,250		160,000	215,700		215,700
	TOTAL SEWAGE TREATMENT	5,720,710		5,808,800	6,131,900		6,131,900

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9325-03	SEWAGE TREATMENT PLANT (Main Street)		
01	Salaries, Wages & Benefits - Operation	91,200	Salaries and Wages for operators, Benefits 17% 78,000 13,200 91,200
02	Salaries, Wages & Benefits - Maintenance	24,600	Salaries & Wages for Maintenance Men Benefits 17% 21,000 3,600 24,600
13	Water	100	Water Rates and sewer surcharge
14	Power	15,800	Hydro supply to S.T.P. 13% rate increase anticipated
15	Fuel	400	Natural gas for building heating.
19	Laboratory Services	28,700	Amount required by Regional Laboratory for services during 1982
23	Chemicals	3,200	Supply of chlorine, odour control chemicals, etc. 42% increase in chemical prices during 1980
27	Protective Clothing	300	Purchase of uniforms, boots, etc., for plant operators.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9325-03	SEWAGE TREATMENT PLANT (Main Street) ... Cont'd ...			
31	R/M - Equipment	14,000	1. Routine maintenance of electrical and mechanical equipment 2. Replacement of 3 vari-drive units for return sludge pumps 3. Sludge transfer pump	5,500 5,000 3,500 <u>14,000</u>
33	R/M. - Buildings and Grounds	14,000	1. Routine maintenance - paint, hardware lighting supplies, etc. 2. Repair roof on old control building 3. Surface Treatment of access Road to Plant	3,000 5,000 <u>6,000</u> <u>14,000</u>
39	Nutrient Removal	6,900	Purchase of aluminum sulphate for phosphorus removal.	
61	Sludge Haulage	15,000	1. Removal and disposal of digested sludge.	
75	New Equipment	1,500	Purchase of new PH meter	

1982 CURRENT BUDGET

PRELIMINARY FORECAST

DIVISION: SEWAGE WORKS

SECTION: DEBENTURE DEBT

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ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
9326-02	<u>Debenture Debt</u>					
43	Debt Charges	5,716,200	5,017,000	4,894,700	438,900	5,333,600
8326-03						
40	Payment to M.O.E. Ancaster Agreement	370,000	370,000	370,000		370,000
41	Payment to M.O.E. Saltfleet Agreement	71,000	71,000	71,000		71,000
TOTAL (DEBENTURE DEBT)		6,157,200	5,458,000	5,335,700	438,900	5,774,600

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: CAPITAL PROJECTS

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ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
9328						
0300	Minor Sewage Works	1,050,000	1,050,000	1,300,000		1,300,000
0500	Sewage Works Associated With Subdivisions	300,000	300,000	350,000		350,000
	Specific Projects	184,000	184,000	1,166,000		1,166,000
TOTAL		1,534,000	1,534,000	2,816,000		2,816,000

1982 CURRENT BUDGET

PRELIMINARY FORECAST - EXPENDITURE DETAIL

DIVISION: Sewage Works
Capital Projects from
Current Funds

Page: 1.A

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9328-0300	Minor Sewage Works	1,300,000	Region's cost associated with sanitary sewers initiated under the L.I.A. and other minor works.
0500	Sewage Works Associated with Subdivisions	350,000	To finance Regional share due to oversizing and along Regional lands.
	<u>1981 Specific Projects</u>	<u>1,166,000</u>	
	1. Septic Tank Inspection	36,000	Engineering Services Committee Request to have Health Department check septic tanks on streets where sewers are available.
	2. Trunk Sewer Flow Monitoring	5,000	System checking to prevent basement flooding
	3. Installation of Gasoline Pump and storage tank for use by 25 Vehicles at S.T.P.	10,000	
	4. Replacement of four bar screens	300,000	Existing bar screens were installed in 1963 and are no longer serviceable.
	5. Woodward Avenue S.T.P.	815,000	To finance a portion of expansion to sludge handling and incineration facilities and phosphate removal equipment which financing will reduce future debenture debt.

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: SEWER MAINTENANCE

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ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
9329-01	<u>General</u>					
01	Salaries, Wages & Benefits	92,420	86,000	98,000		98,000
10	Telephone Services			9,000		9,000
14	Utilities - Fuel & Hydro	2,900	3,600	4,400		4,400
20	Stand-By & Trouble Call New Account	12,200	22,500	15,000		15,000
21	Uniforms, Protective Clothing & Safety Boots	5,000	3,700	6,000		6,000
24	R/M Tools & Equipment	5,000	8,500	7,000		7,000
25	Repair & Maintenance, Buildings	3,000	3,800	3,000		3,000
26	Replacement Tools	4,000	2,000	6,400		6,400
27	Operating Equipment	33,300	33,300	31,200		31,200
28	Relocate Upper Ottawa Street Yard	12,000	12,000	12,000		12,000
TOTAL		169,820	175,400	192,000		192,000

1982 CURRENT BUDGET

PRELIMINARY FORECAST - EXPENDITURE DETAIL

DIVISION: Sewage Works

SECTION: Sewer Maintenance

Page: 13A

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9329	SEWER MAINTENANCE		
01			
01	Salaries, Wages & Benefits 30% Sewer Share	98,000	Share of monies required for salaries and benefits for Sewer Maintenance: Administrative Personnel 77,800
			Employee Benefits 13,200
			Sick Bank Payments for employees 7,000
			J. Roach and H. Osmond retiring
			98,000
10	Telephone Services	9,000	Sewage Works share of providing 24 hr telephone service by City Clerk's Dept. 9,000
15	Utilities - Fuel and Hydro 50% Sewer Share	4,400	Monies required for the Sewer Maintenance share of Fuel oil and Hydro supplies at the Queenston Road Yard and the Town Yard Dundas, taken over the Region
20	Stand-By & Trouble Call	15,000	Sewer maintenance share of monies required for the payment of Emergency Stand-By and Trouble Call allowances for two Local 5 employees and one Foreman on After Hour Stand By and call duty on Week nights, Week ends and Holidays.
			The Foreman is on Stand-By for the entire Regional area.

1982 CURRENT BUDGET

PRELIMINARY FORECAST - EXPENDITURE DETAIL

DIVISION: Sewage Works

SECTION: Sewer Maintenance

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ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9329	SEWER MAINTENANCE ... Cont'd ...		
01 27	Uniforms, Protective Clothing and Safety Boots	6,000	Monies required for the supply of protective clothing, safety boots, and uniforms to Sewer Maintenance Personnel including special harness required by safety council.
31	R/M Tools and Equipment	7,000	This amount will be required for the repair of Sewer Maintenance tools and small equipment.
33	Repair & Maintenance Buildings (Sewer Mtce. Share 50%)	3,000	Monies required for the sewer maintenance share of maintaining office floors, Heating Equipment and for Minor Repairs in various Yards.
73	Replacement Tools	6,400	Monies required for the replacement of worn out tools as required.
75	Operating Equipment	56,200	(a) Replacement Vehicles Required. Sewer Maintenance Share of Replacement Vehicles. As detailed in Account 8329-0175.
			20% Share of Replacing:-
			1 - 3 ton dump truck to replace 8763 5,000
			1 - 3 ton dump truck to replace 8748 5,000
			1 - 3 ton dump truck to replace 8707 5,000
			1 - $\frac{1}{2}$ ton pick-up truck to replace 8512 1,800
			1 - $\frac{1}{2}$ ton pick-up truck to replace 8743 1,800
			<hr/> 18,600

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9329	SEWER MAINTENANCE ... Cont'd ...		
01			
75	Operating Equipment ... Cont'd ...	(b) <u>Replacement Equipment</u>	
		1 - back-hoe to replace 8764 which is 11 years old. Needs extensive mechanical and hydraulic repairs 20% sewer share	9,000
		1 - machinery float to replace 8702 which is 13 years old. This float is too small and in poor condition 20% sewer share	2,000
			<u>11,000</u>
	(c) <u>Additional Equipment</u>		
		1 - back-hoe 20% sewer share	10,000
		1 - Hydraulic ram 20% sewer share	2,000
		15 - Back-up Alarms 20% sewer share	300
		1 - Hydraulic Pressure Waiher 20% sewer share Speed Shoreing for two crews 40% sewer share	600
			<u>15,600</u>

1982 CURRENT BUDGET

PRELIMINARY FORECAST - EXPENDITURE DETAIL.

DIVISION: Sewage Works

SECTION: Sewer Maintenance

Page: 14b

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9329	SEWER MAINTENANCE ... Cont'd ...		
01			
75	Operating Equipment ... Cont'd ...		<u>Summary</u>
		Replacement Vehicles	18,600
		Replacement Equipment	11,000
		Additional Equipment	16,600
			46,200
		Less Transfer from Vehicle A/C Reserve	15,000
		Net Total	31,200
76	Relocate Upper Ottawa Street Yard	12,000	20% share of cost to relocate yard from Upper Ottawa Street Landfill Site to Regional property near Mountain Transfer Station.

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: SEWAGE WORKS

PRELIMINARY FORECAST

SECTION: SANITARY SEWER MAINTENANCE

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ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
9329						
3031	Sewer Repairs	3,700	15,000	3,700		3,700
3031	Removal of Material				20,000	20,000
3032	Sewer Cleaning	17,100	43,000	18,400		18,400
3032	Sewer Flushing	38,640	31,000	65,000		65,000
3033	Investigate Complaints	10,860	7,000	10,000		10,000
3033	Sewer Investigations	104,480	69,000	73,800		73,800
3034	Manhole Repairs	42,080	24,000	42,000		42,000
7900	Combined Sanitary Maintenance	132,400	132,400	154,000		154,000
	TOTAL	349,260	321,400	366,900	20,000	386,900
	TOTAL SANITARY SEWER MAINTENANCE	519,080	496,800	558,900	20,000	578,900

1982 CURRENT BUDGET

PRELIMINARY FORECAST - EXPENDITURE DETAIL

DIVISION: SEWAGE WORKS
SANITARY SEWER
MAINTENANCE

Page: 14A

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9329	SEWER MAINTENANCE ... Cont'd		
3031	Sewer Repairs	3,700	This amount will probably be required to repair sewers found broken during our inspection process.
			Salaries and Benefits 3,000 Equipment 500 Supplies 200 _____ 3,700
3031	Removal of Material	20,000	Amount required to remove excavated material which is stored at various yards
			Contracted Equipment 20,000
3032	Sewer Cleaning	18,400	Monies required for the cleaning of sanitary sewers as required during 1982.
			Salaries and Benefits 13,700 Equipment 4,000 Supplies 700 _____ 18,400
3032	Sewer Flushing	65,000	Amount required to flush and remove sludge from sanitary sewers with high pressure equipment during 1982.
			Salaries and Benefits 41,600 Equipment 23,400 _____ 65,000

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9329	SEWER MAINTENANCE ... CONT'D		
3033	Investigate Complaints	10,000	To provide funds for the investigation of all Sanitary Sewer System Complaints
			Salaries and Benefits 9,000 Equipment 1,000 <u>10,000</u>
3033	Sewer Investigations	73,800	This amount will probably be required for the routine inspection of Sanitary Sewers to provide information for repair, cleaning and flushing requirements.
			Salaries and Benefits 66,300 Equipment 6,500 Supplies 1,000 <u>73,800</u>
3034	Manhole Repairs	42,000	This amount will probably be required to maintain and repair sanitary sewer manholes during 1982.
			Salaries and Benefits 21,000 Equipment 1,800 Supplies and Granular 2,700 Pavement Repair 16,500 <u>42,000</u>
7900	Combined Sanitary Maintenance	154,000	This appropriation is required to offset the "Sanitary" share of Combined Sewer Maintenance costs.
			Salaries and Benefits 125,700 Equipment 12,400 Supplies 7,200 Pavement Cuts & Manholes 8,700 <u>154,000</u>

LAND DRAINAGE

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: LAND DRAINAGE

PRELIMINARY FORECAST

SECTION: SUMMARY

Page: 1

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
3321	General	1,837,000	1,837,000	2,060,000		2,060,000
	Pumping Station	16,100	15,600	19,800		19,800
	Debenture Charges	1,546,700	1,546,700	1,384,700		1,384,700
	Storm Sewer Maintenance	204,900	189,300	222,700		222,700
	TOTAL LAND DRAINAGE	3,604,700	3,588,600	3,687,200		3,687,200

REVENUES

Storm Sewer Subsidy	100,000
General Support Grant	210,000
Storm Sewer Levy	3,294,700
	3,604,700

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: LAND DRAINAGE

PRELIMINARY FORECAST

SECTION: GENERAL

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1982 CURRENT BUDGET

PRELIMINARY FORECAST - EXPENDITURE DETAIL

DIVISION: Land DrainageSECTION: GeneralPage: 2A

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
3321			
0100	Administrative Charges	58,000	This charge includes salaries, supplies draughtings, insurance, etc. associated with land drainage.
0300	Minor Storm Sewers Financed from Current Funds	700,000	Region's share of Storm sewers in Hamilton processed under L.I.A. and other minor works.
0400	Major Storm sewers financed from Current Funds	1,000,000	Money allocated to reduce the financing by debentures sewer projects in the Capital Budget.
0500	Land Drainage Associated with Subdivision - Region's Share	300,000	Region's share of storm sewers in new subdivision.
	<u>Specific Projects</u>	2,000	

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: LAND DRAINAGE

PRELIMINARY FORECAST

SECTION: STORM PUMPING STATIONS

Page: 1

ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
3321						
08	Storm Pumping Stations					
13	Water & Sewer Surcharge	1,600	1,200	1,000		1,000
14	Power	12,000	13,500	16,800		16,800
15	Fuel	500	NIL			
31	R/M Equipment	1,000	400	1,000		1,000
33	R/M Building and Ground	1,000	300	1,000		1,000
	Miscellaneous					
	TOTAL	16,100	15,400	19,800		19,800
09	Debenture Charges	1,546,700	1,546,700	1,384,700		1,384,700

1982 CURRENT BUDGET

PRELIMINARY FORECAST - EXPENDITURE DETAIL

DIVISION: Land Drainage
Storm Pumping
Stations

Page: JA

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
3321			
08	<u>Storm Pumping Stations</u>		
13	Water	1,000	Water and sewer surcharge for Station S-H1
14	Power	16,800	Hydro supply to Station S-H1
31	R/M Equipment	1,000	Routine maintenance of electrical and mechanical equipment.
33	R/M Buildings & Grounds	1,000	Routine maintenance, paint, hardware, lighting supplies, etc.

1982 CURRENT BUDGET

DIVISION: LAND DRAINAGE

PRELIMINARY FORECAST

SECTION: STORM SEWER MAINTENANCE

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ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
3321						
1011	Sewer Repairs	1,000	1,800	1,800		1,800
1012	Sewer Cleaning	8,000	14,500	8,900		8,900
1012	Sewer Flushing	2,500	300	4,000		4,000
1013	Investigate Complaints	1,000	500	1,000		1,000
1013	Regulators - Repairs and Operations	2,000	2,200	2,000		2,000
1013	Sewer Investigations	41,000	27,500	41,000		41,000
1014	Manhole Repairs	17,000	6,500	10,000		10,000
7900	Combined Storm Maintenance	132,400	132,400	154,000		154,000
TOTAL (STORM SEWER MAINTENANCE)		204,900	185,700	222,700		222,700

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
3321			
1011	Sewer Repairs	1,800	This amount will probably be required to repair storm sewers found broken during our inspection process.
			Salaries 1,100
			Equipment 400
			Supplies and Granular 300
			<u>1,800</u>
1012	Sewer Cleaning	8,900	Monies required for the cleaning of Storm Sewers as required during 1981.
			Salaries 7,700
			Equipment 1,200
			<u>8,900</u>
1012	Sewer Flushing	4,000	Monies required to Flush and Remove debris from storm sewers as required during 1982.
			Salaries 2,600
			Equipment 1,400
			<u>4,000</u>
1013	Investigate Complaints	1,000	To provide funds for the investigation of complaints relating to Storm Sewer Systems
			Salaries 700
			Equipment and Supplies 300
			<u>1,000</u>

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
3321			
1013	Regulators - Repairs	2,000	Monies required for the routine maintenance of regulators as follows:
			1. Cleaning and Greasing every 3 months
			2. Repairing Mechanisms as required and cleaning chambers.
			Salaries
			Equipment
			1,750
			250
			<u>2,000</u>
1013	Sewer Investigations	41,000	Monies required for the inspection of Storm Sewers to provide information for repair, cleaning, and flushing requirements.
			Salaries
			Equipment
			38,000
			3,000
			<u>41,000</u>
1014	Manhole Repairs	10,000	This amount will probably be required to maintain and repair Storm Sewer Manholes during 1982.
			Salaries
			Equipment
			Supplies, Granular
			Pavement repairs
			6,000
			500
			1,500
			<u>2,000</u>
			<u>10,000</u>

1982 CURRENT BUDGET

DIVISION: LAND DRAINAGE

PRELIMINARY FORECAST - EXPENDITURE DETAIL

SECTION: STORM SEWER MAINTENANCE Page: 4C

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
3321			
7900	Combined Storm	154,000	This appropriation is required to accommodate the storm share of combined sewer maintenance costs.
			Salaries and Benefits 125,700
			Equipment 12,400
			Supplies 7,200
			Pavement Cuts & Manholes 8,700
			<hr/> 154,000

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH

DEPARTMENT OF ENGINEERING

1982 CURRENT BUDGET

DIVISION: LAND DRAINAGE

PRELIMINARY FORECAST

SECTION: COMBINED SEWER MAINTENANCE

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ACCOUNT NUMBER	DESCRIPTION	1981 BUDGET		1982 BUDGET		
		ESTIMATE	PROB. ACTUAL	EXISTING	CHANGE	TOTAL
9331						
2021	Sewer Repairs			28,000		
2022	Sewer Cleaning			48,000		
2022	Sewer Flushing			31,000		
2023	Investigate Complaints			26,000		
2023	Sewer Investigations			100,000		
2024	Reconstruction of Manholes and Pavement Cuts					
2024	Manhole Repairs			75,000		
				308,000		

50% Chargeable to 8329-79 - 154,000

50% Chargeable to 3321-79 - 154,000

TOTAL (COMBINED
SEWER MAINTENANCE)

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9331			
2021	Sewer Repairs		Appropriation for this series of accounts are not required since:
2022	Sewer Cleaning		
2022	Sewer Flushing		1. Budget Requirements are included in the Sanitary Sewer Series #9329-79 in the Storm Sewer Series #3321-79
2023	Investigate Complaints		
2023	Sewer Investigations		2. Daily operating costs for Combined Sewer Maintenance will be charged to this series of accounts and debited by Finance periodically to 9329-79 and 3321-79.
2024	Reconstruct Manholes		
2024	Manhole Repairs		



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